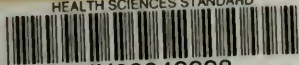


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NORTHERN
OHIO
DENTAL
ASSOCIATION

1857-1906

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PARTIAL TRANSACTIONS
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DENTAL ASSOCIATION

1857 - 1906

COMPILED BY
H. L. AMBLER, M. S., D. D. S., M. D.,

Author of
Tin Foil and its Combinations for Filling Teeth,
Facts, Fads and Fancies About Teeth.

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PUBLIC SQUARE, CLEVELAND, 1857.

Tremont Hall is indicated by the white arrow.

*Courtesy of the
Western Reserve Historical Society*

2/18/53

Most of the Dentists Present at Tremont Hall, in 1857, at
First Meeting of The Northern Ohio Dental Association.



GEORGE WATT.



WM. H. ATKINSON.



J. E. ATKINSON



CHESTER. H. HARROUN.



WM. E. DUNN.



NATHAN H. AMBLER.



J. A. ROBINSON.



J. E. ROBINSON



B. F. ROBINSON.



EBENEZER MERRITT.



WM. F. ROBINSON.



BENJ. STRICKLAND.



ALFRED TERRY.



B. T. SPELMAN.



FRANKLIN S. SLOSSON.



S. P. HUNTINGTON.



C. S. PLEASANTS.



D. F. KNAPP.



L. C. INGERSOLL.



W. B. INGERSOLL.



C. F. INGERSOLL.



M. J. DICKERSON.



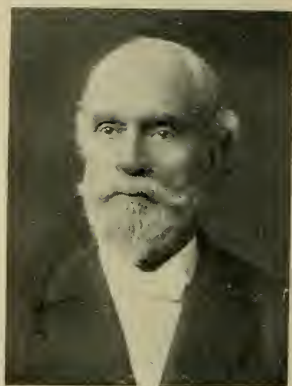
A. A. HARRIS.



E. CHIDESTER.



J. G. WILLIS.



W. P. HORTON.



ANCIL BARRETT.

NORTHERN OHIO DENTAL ASSOCIATION.

The great historian Macaulay said: "Sit at the feet of history, and through the night of years the steps of virtue she shall trace." We have been sitting at her feet, and tracing her steps in the interest of this association, and have concluded that there is no single chapter in the book of dentistry that is so interesting as the one on history. The writer has been trying to fulfill the wish of this association as expressed in a resolution passed in June 1905, appointing him a committee of one to compile its history. This was not an easy task, especially for the first fifteen years, because whatever records the association may have possessed entirely disappeared, and have not been located, notwithstanding at several times a committee was appointed to search for them, and also compile a history by obtaining information from any available source. Whatever we have learned has been from personal interviews, correspondence, research in journals and libraries. The formation of a society in this part of Ohio, came about, viz: The American Dental Convention in 1855 passed a resolution recommending the organization of local societies, so W. H. Atkinson, J. A. Robinson, and others in Cleveland talked the matter over and concluded to issue a circular to the dentists of Northern Ohio, inviting them to meet in Tremont Hall, Nov. 3, 1857, and that was the time and place of the first meeting, and they have been held annually at different cities and towns almost without a lapse. On that memorable day in 1857, Geo. Watt appeared at Tremont Hall and helped organize the meeting, and made a report of the proceedings for the Dental Register of the West, of which he and J. Taft were editors. He came again at subsequent times and made reports for the same journal. We should honor his memory, because he did for us what nobody else did; he printed our early proceedings, and from the writers research he has no knowledge of anywhere else they can be found. Of the thirty-five dentists who were present at that epoch in the dental history of Ohio, only four are living, viz: Alfred Terry, Chester H. Harroun, Jere E. Robinson, W. P. Horton.

In many respects this history is exact, while in others it may be lacking, owing to lapse of time and data. Your historian has done the best he could since June 1905, and his recompense has been the pleasure he has received from doing this kind of work, and his love for this Association and the profession.

This society has been a factor in accomplishing good for the laity and the profession, as it has helped to raise the standard of dentistry, and will try to elevate it more and more in coming years. Grand things can be accomplished by only one society, if members will only appreciate the fact that they owe the society, themselves, and the commonwealth, a duty. Our standard of excellence should be most excellent. Our standard of success should be most successful. This society has had struggles and triumphs, and as "time moves on apace," the men who founded it, and the men who have been keeping it bright and burnished, will never be forgotten, for "the pen which is mightier than the sword" has recorded it for future generations.

HENRY LOVEJOY AMBLER.

Cleveland, Ohio, 1907.

EX-PRESIDENTS.

1857	F. S. Slosson.	1882	Gale French.
1858	B. Strickland.	1883	Gale French.
1859	B. Strickland.	1884	Ira W. Brown.
1860	B. Strickland.	1885	David Gibbons.
1861	B. Strickland.	1886	J. R. Bell.
1862	B. Strickland.	1887	Geo. H. Wilson.
1863	B. Strickland.	1888	H. F. Harvey.
1864	B. Strickland.	1889	John Stephan.
1865	B. Strickland.	1890	F. S. Whitslar.
1866	F. S. Slosson.	1891	J. F. Siddall.
1867	B. F. Robinson.	1892	W. H. Whitslar.
1868	W. P. Horton.	1893	S. B. Dewey.
1869	F. S. Whitslar.	1894	Henry Barnes.
1870	J. E. Robinson.	1895	Henry Barnes.
1871	E. J. Waye.	1896	J. F. Daugherty.
1872	B. F. Robinson.	1897	L. P. Bethel.
1873	S. P. Hildreth.	1898	L. P. Bethel.
1874	E. J. Waye.	1899	L. L. Barber.
1875	E. J. Waye.	1900	F. W. Knowlton.
1876	J. F. Siddall.	1901	F. W. Knowlton.
1877	J. W. Lyder.	1902	J. F. Stephan.
1878	J. W. Lyder.	1903	W. H. Fowler.
1879	J. W. Lyder.	1904	W. T. Jackman.
1880	Chas. Buffett.	1905	H. L. Ambler.
1881	Chas. Buffett.		

According to previous announcement by circular, the dental profession of Northern Ohio, assembled in convention, in Tremont Hall, Cleveland, Ohio, on Tuesday, November 3, 1857.

Present: F. S. Slosson, B. Strickland, L. C. Ingersoll, E. Merritt, W. H. Atkinson, B. F. Robinson, J. A. Robinson, T. McCune, Joseph Willson, Wm. Fiske, N. H. Ambler, Henry Slosson, J. E. Robinson, J. G. Moore, E. G. Burger, J. G. Rock-

well, M. J. Dickerson, W. P. Horton, Cleveland; D. L. Norcross, Elyria; J. E. Atkinson, Millersburg; W. B. Ingersoll, Oberlin; Alfred Terry, Norwalk; C. H. Harroun, Toledo; Wm. E. Dunn, Delaware; C. F. Ingersoll, Huron; S. P. Huntington, C. S. Pleasants, Painesville; L. T. Fox, Madison; D. F. Knapp, Berea; W. F. Robinson, Youngstown; B. T. Spelman, A. A. Harris, J. G. Willis, Ravenna; E. Chidester, Massillon; C. P. Bailey, Cuyahoga Falls; A. Barrett, Jefferson; George Watt, Cincinnati.

The convention was called to order by B. Strickland, and on motion, F. S. Slosson was elected temporary chairman, and L. C. Ingersoll, secretary.

Thomas McCune, C. S. Pleasants, W. B. Ingersoll, C. H. Harroun and Alfred Terry, were appointed to report on a plan of organization and business.

J. A. Robinson, in behalf of those who called the convention, gave an eloquent address which was published in the proceedings.

W. H. Atkinson made some interesting remarks in regard to the inception of the call for this convention, and the objects to be accomplished by properly conducted dental associations. He alluded to the resolution of the American Dental Convention, recommending the formation of local societies, and said that the call for this meeting was a direct result of that recommendation.

AFTERNOON SESSION.

Report of the committee, viz.:

This shall be called the Dental Convention of Northern Ohio.

The object of this convention shall be the promotion of Dental Science, fraternal intercourse, and the advancement of the general interests of the profession.

The officers shall be a President; Vice President; two Recording Secretaries; a Corresponding Secretary; a Treasurer.

Any dentist may become a member by reporting his name to the Secretary.

Each member shall pay his proportion of the expenses incurred.

The business shall be conducted according to parliamentary rules. Each member shall be limited to ten minutes, when he has the floor.

No member shall speak more than twice on the same question, unless permission be granted by the Convention.

QUESTIONS FOR DEBATE.

What are the causes of decay of the teeth?

What are the best means of preventing and arresting decay, and preserving the teeth?

What is the best treatment for an exposed tooth pulp?

What is the best treatment for alveolar abscess?

Is the porcelain mode of inserting artificial teeth, superior to other modes?

Is crystal gold superior to gold foil for filling teeth?

On motion the report was adopted, and the election of officers resulted, viz.: Pres.—F. S. Slosson; Vice-Pres.—B. T. Spelman; Rec. Secs.—L. C. Ingersoll, George Watt; Cor. Sec.—W. H. Atkinson; Treas.—B. F. Robinson.

Thus was the Northern Ohio Dental Convention formally organized and launched.

The meeting lasted for two days of three sessions each, and was reported for the Dental Register of the West, by George Watt, who was one of the editors. The report covers thirty-two pages, and closes by saying that the last session was the best, for every member's heart seemed to be overflowing with good feeling, and it was altogether the most heartily cheerful and cheered meeting of the profession we ever attended.

NOTES.

At least one-half of the questions for debate, are being debated today.

The roll was called and members requested to speak as called.

Caries is not a distinct disease, but is the result of chemical action, and its phenomena vary with the character of the agent producing it.

The proper regulation of the teeth and cleanliness will largely prevent caries.

Resolved.—That this Convention appreciates the efforts of our Dental Colleges, to elevate the standard of the dental profession, and to qualify young men for sustaining that standard.

Resolved.—That we invite the medical and scientific men of the city to take part in our proceedings.

Resolved.—That it is regarded as derogatory to the standing of a dentist to charge less than one dollar for the smallest gold filling, in Northern Ohio, exclusive of Cleveland and Toledo, where the fee should be one dollar and a half.

Resolved.—That we regard, as of great importance, the establishment of such a dental depot in this city, as shall meet the wants of the profession in Northern Ohio and vicinity, and that we will use our best efforts to secure and sustain such a depot.

The porcelain mode of making artificial teeth, which was spoken of, had reference to W. E. Dunn's method of inserting full upper or lower dentures *entirely* of porcelain. He was asked if he used a *pyrometer* when fusing the materials. He replied that he did not.

Crystal gold will never entirely take the place of gold foil.

NOTES ABOUT SOME OF THE MEN WHO WERE AT TREMONT HALL IN 1857.

Benj. Strickland came to Cleveland in 1835, and was the first resident dentist.

Luman C. Ingersoll was one of four brothers, all dentists.

Wm. H. Atkinson was one of the greatest men of his time, and was known personally, or through his writings, by all dentists.

Ebenezer Merritt used a mallet for condensing the surface of gold fillings in 1828, and from this time on its use was *very* gradually adopted until complete fillings were made by its use. W. H. Atkinson later on, by talking, writing and working with it introduced it fully to the profession.

C. S. Pleasants was born in Richmond, Va., 1805; studied with Jahial Parmly and practiced in the South until he came to Painesville in 1860.

Samuel P. Huntington studied with B. Strickland, and he also studied medicine three years before commencing to practice dentistry in 1847 at Ashtabula and Painesville; he moved to Eureka, Kansas, in 1869.

C. H. Harroun commenced practice in 1850 and has given his attention entirely to prosthesis. He began to make obturators in 1865 and at the meeting of this society held in Toledo he presented a patient who was wearing, with satisfaction, one which he made. The next one was for Mr. P—— who could not speak one word distinctly; the obturator was a success, and the gentleman is still wearing one of several duplicates which the Doctor has made.

C. P. Bailey, of Cuyahoga Falls, was noted for his skill and extreme nicety in making gold plates.

A VARIED EXPERIENCE.

Ancil Barrett was born in Berkshire County, Mass., 1816 and studied dentistry in Pittsfield, Mass., went to Port au Prince, Hayti, where he practiced five years; then to Kingston, Jamaica for seven years; then to Jefferson, Ohio; then to Ashtabula, Ohio where his health failed and he retired from practice, but in 1862 he went to St. Paul, Minn., where he remained for a short time; then to Davenport, Iowa., where he practiced until his decease Dec. 22, 1863.

George Watt was born near Xenia, Ohio, 1820, and in 1835 attended an Academy in Adams County, Ohio for two years, then taught school four years, then attended college at Ripley, Ohio one year, then studied medicine and graduated at the Medical College of Ohio. Practiced until 1852 when he began the study of dentistry. 1853 he delivered a course of lectures on chemistry at the Ohio College of Dental Surgery. This was the *first* attempt to adapt chemistry to the needs of dental students. He was Professor of Chemistry and Metallurgy in this college for several years, author of "Chemical Essays," 1854 won a prize of \$100.00 from the Mississippi Valley Dental Society for the best essay on Dental Surgery, 1855 made improvements in micro-photography. Surgeon of 154 Regiment Ohio Volunteer Infantry; 1865 practiced dentistry in Cincinnati, Ohio; 1881 assumed editorship of Ohio State Dental Journal; elected President of the American Dental Association the same day he became a member, the only instance of the kind. President of Ohio State Dental Society and Mad River Dental Society.

Alfred Terry was born in Tompkins County, N. Y., Nov. 23rd, 1824; commenced to study Harris Dental Surgery in 1846 and worked with P. M. Stanborough in Newburg, N. Y., and traveled through Tompkins and Seneca County practicing with Stanborough; he came to Norwalk, Ohio, in 1850, where he practiced until 1897 when he retired, and is now living with his married daughter in Detroit, Mich. On a visit to Cleveland in 1850, no dentist would allow him to enter an operating-room or laboratory; so closely did they guard their secrets.

Wm. F. Robinson (brother of J. E. Robinson) was born in Lowell, Mass., Feb. 1836, came to Cleveland, Ohio, with the family in 1853. He studied with his father and practiced a short time in Youngstown, Ohio, going from there to New Orleans. He had been there only a short time when the Civil War broke out so he hurried home and enlisted in company H. 4th Michigan Infantry. He was a very popular young man and was chosen Lieutenant, but men in the ranks were too few so he gave up his grade as officer and joined the ranks.

He was severely wounded at the battle of Gettysburg on the 4th of July. After other promotions he finally became Captain; he was obliged to join the invalid corps for a time but later joined his Company, fighting with them until the end of the war. He preferred to be called Captain instead of Doctor. He was killed in Tucson, Arizona, shortly after the close of the war, by the Indians. His brother J. E. Robinson has a canteen which was given to him (W. F. R.) by a confederate when they both lay wounded on the field of Gettysburg.

Jere E. Robinson (son of J. A. Robinson) was born in Lowell, Mass., Dec. 26, 1832 and studied with his father, coming to Cleveland at the same time where he practiced until he retired in 1900, since then he has been living with his daughter

Dr. Martha R. Ewald in Brooklyn, N. Y., where she is practicing dentistry.

Jeremiah A. Robinson was born in Concord, Mass., May 31, 1812 and died in Grand Rapids, Mich., March 3, 1897. He received his early education at the Concord Academy at the same time with Ralph Waldo Emerson. He came to Cleveland, Ohio in 1853 and practiced for several years, when he moved to Jackson, Mich., and practiced there until he retired, after being for more than sixty years in the profession. He was always abreast of the times, and very active in professional and civic matters.

At some future time the writer hopes to publish "The First Fifty Years of Dentistry in Cleveland," if so, a greater number and more extensive biographies will appear than are to be found herein.

Geo. Watt, B. T. Spelman, B. F. and J. E. Robinson, W. P. Horton, B. Strickland and C. H. Harroun were charter members of the Ohio State Dental Society

Names of members who have been President of the American Dental Association: Geo. Watt, W. H. Atkinson, J. Taft, H. A. Smith, C. R. Butler.

Tremont Hall was located on the North side of the Public Square, just across from the present Court House, on the corner of the alley (now West 2nd St.) which leads from the Square (or as it was called then, Rockwell St.) to St. Clair St. In 1883 the Hall was torn down, and Wick block built on the site.

The Dental Convention of Northern Ohio, held its second meeting in Tremont Hall, Cleveland, Ohio, May 4th and 5th, 1858, three sessions daily, the proceedings cover 24 pages in the Register. Present: President F. S. Slosson, B. Strickland, Henry Slosson, G. Langsdorff, E. G. Burger, A. B. Halliwell, B. F. Robinson, C. R. Butler, J. Koch, J. G. Moore, W. J. Guild, W. H. Atkinson, Cleveland; G. H. Perine, New York; C. V. Atkinson, Michigan; J. B. Irwin, G. Scott, Carrolton; C. F. Ingersoll, Huron; W. B. Ingersoll, J. F. Siddall, Oberlin; A. E. Lyman, Newton Falls; L. C. Ingersoll, Keokuk, Iowa; Alfred Terry, Norwalk; S. P. Huntington, Painesville; E. J. Wayne, Sandusky; B. T. Spelman, Ravenna; J. A. Robinson, Litchfield; J. E. Atkinson, Millersburg; Wm. E. Dunn, Delaware; S. D. Tuttle, Albany; George Watt, Xenia.

QUESTIONS FOR DISCUSSION.

Under what circumstances is it *not* admissible to extract teeth?

Can teeth generally be preserved for a considerable length of time, after abscess has formed around the roots?

Is it judicious to use arsenic, or any other powerful agent to destroy the sensibility of dentine?

What treatment will best preserve the vitality and health of exposed dental pulps?

What preparation of gold and what mode of inserting it, will most certainly and permanently arrest the progress of decay in teeth?

Officers elected, viz.: B. Strickland, President; S. P. Huntington, Vice President; C. R. Butler, Recording Secretary; B. F. Robinson, Corresponding Secretary and Treasurer.

NOTES.

Resolved, That a time be set apart for members to present or exhibit instruments, casts, cuts, or anything new or useful to the profession.

A small piece of horn moistened in creasote is used for capping pulps.

Teeth should not be extracted merely because they are irregular, when the patient is only twenty-five years old.

The way to "extract teeth by galvanism," is to connect one pole of the battery with the forceps, and let the patient touch the other pole with his hand, and at the instant the connection is made, the tooth must be extracted.

C. W. Meble of Montreal sent a paper describing an instrument for congealing the gums previous to extraction.

A committee of five was appointed to draft a constitution and by-laws, and report at the next meeting.

After adjournment, the members in Cleveland entertained those from abroad, with "a competent portion of the good things of this life," and the "outsiders" thanked the "insiders," for the abundant supply of the choice "insiders" of which they had just partaken.

In 1858 Geo. Watt said: We recently attended the second meeting of the Dental Convention of Northern Ohio. The brethren there are enlisted for the war. Their zeal and energy are really refreshing. There is possibly something in the lake breezes which imparts professional zeal. We are glad that a permanent association has been formed. There is also a prospect of a local society in Cleveland and vicinity. When the members of the profession meet for mutual improvement the cause of science must prosper.

The Dental Convention of Northern Ohio met in Cleveland May 3-4, 1859 at Tremont Hall and was called to order by President B. Strickland.

Present: C. R. Butler, B. F. Robinson, F. S. Slosson, W. H. Atkinson, M. J. Dickerson, A. B. Halliwell, E. G. Burger, J. G. Moore, B. T. Spelman, Corydon Palmer, M. Palmer, Burroughs, Iddings, S. P. Huntington, E. J. Wayne, J. F. Siddall, Storrs, C. P. Bailey, Wilson, R. Varney, Geo. Cole, G. Langsdorff, Crowell, Daniels, Strong, W. J. Guild.

SUBJECTS FOR DISCUSSION.

Best means of correcting irregularities of the teeth.
Treatment of exposed nerves.
Treatment of alvcolar abscess.
Filling teeth and fangs.
Mechanical dentistry.

NOTES.

A member said he never knew of a case of irregularity of the teeth among Indians.

Use Arsenic 10 gr. morphine 15 gr. made into paste with creasote and sealed into the tooth cavity to destroy sensitive-ness, leave for 4 or 6 hours, remove and apply Rhatany Tinct. for four days, then fill.

The proceedings occupy twenty-eight pages of the Register.

Dr. Moore often extracts teeth when the pulps are exposed, cleans out pulp chamber and canals, fills and replants the tooth and generally has success, other members said this is not the proper way to treat such cases, better cap the pulps.

A gentleman presented himself and gave a history, viz.: Lost all teeth before the age of 18; when 19 had typhus fever two separate times, and at 23, three upper incisors appeared and they were followed by other teeth until he had full set above and below.

C. Palmer said the best filling for fangs is gold foil.

Creasote is the best drug for treating root canals.

B. T. Spelman has filled fangs with tinfoil and had success, so has W. H. Atkinson and F. S. Slosson, and when they removed tin fillings from crown cavities they found the dentine hardened.

Cobalt is used instead of arsenic to destroy pulps.

Many are filling soft, chalky or sensitive teeth with tinfoil. Coralite is used as a base for artificial teeth.

Three years or more ago gutta-percha vulcanized was used as a base for artificial teeth. Vulcanite is also used for same purpose. Dr. Wilson of Rochester, N. Y., showed teeth and materials for vulcanite work, and would take orders for vulcanizers and office rights.

Dr. Strickland said he put a plate of vulcanite in a dish with nitro-nuriatic acid and held it over a spirit lamp and it dissolved.

Drs. Ingersoll, Horton, Spelman, Palmer, Way, and Siddall, were chosen to form a constitution and by-laws.

Adjourned to Josiah Stacey's Restaurant on invitation of the resident dentists.

In response to a memorial addressed to the dental profession of Northern Ohio, a portion of those present at the convention held at Cleveland last May, met in the same city, March 6,

1860, for the purpose of organizing the Northern Ohio Dental Association.

On motion, B. Strickland was elected chairman.

After the object of the meeting had been stated, members of the profession present were invited to participate in the proceedings. A constitution and by-laws were presented and adopted.

Election of officers for the ensuing year, viz.: B. Strickland, President, Cleveland; S. P. Huntington, Vice President, Painesville; C. R. Butler, Recording Secretary, Cleveland; F. S. Slosson, Treasurer, Cleveland; B. F. Robinson, Corresponding Secretary, Cleveland; Examining Committee, W. H. Atkinson, Corydon Palmer, B. T. Spelman.

What the meeting of March 6th amounted to was, viz.: The name was changed to The Northern Ohio Dental Association, and the committee which was appointed by the Convention probably presented a Constitution and By-laws which were adopted, and practically the officers of the convention were made officers of the Association.

The Northern Ohio Dental Association met in Cleveland May 1st, 1860. Present: B. Strickland, W. H. Atkinson, B. T. Spelman, F. S. Slosson, Corydon Palmer, W. P. Horton, J. F. Siddall, B. F. Robinson, C. R. Butler, G. Langsdorff, J. C. Whinery, Salem; A. E. Lyman, Newton Falls; A. Barrett, Ash-tabula, — Sawyer, Youngstown.

SUBJECTS FOR DISCUSSION.

Mechanical Dentistry.

Preparation of cases.

Mode of working.

Operative Dentistry.

Examination and diagnosis of cases.

Manner of performing specific operations.

Miscellaneous matters.

NOTES.

Temporary sets should be inserted immediately, or within a few days after extraction of the teeth.

Corydon Palmer presented models showing how the contour of the face and mouth could be easily obtained.

Difficult cases can best be fitted by manufacturing your own teeth.

Several described modes of operating on proximal cavities in incisors, bicusps and molars. Essays for next meeting. Dental Ethics, A. E. Lyman. Refining Gold and Making Plate for Dental Use, Corydon Palmer, ——— F. S. Slosson.

Adjourned to meet first Tuesday in May 1861.

At the annual meeting of the American Dental Association held in Cleveland at the Cleveland Medical College, July, 1862 the following are accredited as delegates from the Northern Ohio Dental Association: B. T. Spelman, B. Strickland, Corydon Palmer. The proceedings state that in 1861 no meeting of the American Association was held, owing to the unsettled condition of the country due to war. This might be the reason also why no notice of the Northern Ohio Society can be found for 1861. Probably no meeting was held.

In the proceedings of the American Dental Convention, found in the Dental Cosmos of 1863-64, the following are accredited as delegates from the Northern Ohio Dental Association: J. C. Whinery, Salem; C. R. Butler, Cleveland; A. E. Lyman, Newton Falls.

The annual meeting of the Northern Ohio Dental Association was held in Cleveland May 3, 1864. Officers elected for ensuing year: President, B. Strickland; Vice President, Corydon Palmer; Recording Secretary, L. Buffett; Corresponding Secretary, B. F. Robinson.

ESSAYS.—Corydon Palmer, Filling Teeth, Manner of Treating Difficult Cavities. A. E. Lyman, Dental Association. J. F. Siddall, Cheap Dentistry. W. H. Atkinson sent one on Preparation.

Discussion on destroying nerves and filling fangs.

Drs. Butler, Buffett, Slosson, Terry were appointed essayists for the next meeting.

The association met in Warren, May 2-3, 1865 and was called to order by Vice President Corydon Palmer.

ESSAYS.—The Duty of the Dentist to the Profession, to His Patient and to Himself, J. Chesebrough. Sympathy Between the Teeth and Other Parts of the Body, J. Chesebrough. Bleaching Teeth, W. H. Atkinson. Arsenic, L. Buffett. Forces, C. R. Butler.

SUBJECTS FOR DISCUSSION.

What means have been found most successful in arresting the progress of decay in human teeth?

What principles should govern dentists in the practice of their profession?

What treatment is best adapted to prevent and cure alveolar abscess?

Artificial dentures.

Dental fees.

Officers elected for the ensuing year.—President F. S. Slosson; Vice President Corydon Palmer; Recording Secretary, L. Buffett; Corresponding Secretary, B. F. Robinson; Treasurer, C. R. Butler.

Adjourned to meet in Toledo first Tuesday in October, 1865.

The writer cannot find any record of the meeting in Toledo, but C. H. Harroun says it took place.

At a special meeting held in Cleveland, Oct. 11, 1866 it was

Resolved, That the Northern Ohio Dental Association ignore the claims of the Goodyear Dental Vulcanite Co., as set forth in their circular recently issued to the profession. Believing it to be an extortion, we will render to any and all dental societies and associations our cordial co-operation in any endeavor they may undertake to defend themselves, or any member thereof, against the enforcement of this extortionate demand.

Resolved, That the secretary be requested to send copies of the above resolution to other societies and associations.

Secretary B. F. Robinson.

A portion of the March issue of the Register, 1866, is printed with *blue* ink, the remainder with black.

Register for 1866 says: The Northern Ohio Dental Association meets in Cleveland the first Tuesday in May and October.

February. 1907. The writer has not found any record of a regular meeting in October.

In 1866 the association met at Childs' Hall in Painesville, B. F. Robinson, Corresponding Secretary.

The association met in Cleveland May 7-8, 1867. Election of officers for the ensuing year: President B. F. Robinson; Vice President, C. H. Harroun; Recording Secretary, W. P. Horton; Corresponding Secretary, C. R. Butler; Treasurer, Chas. Buffett. Delegates to the American Dental Association, F. S. Whitslar, J. G. Templeton, C. H. Harroun, C. C. Carroll, B. F. Robinson, Chas. Buffett, J. E. Robinson

The meeting was well attended and much interest manifested.

The annual meeting of the Northern Ohio Dental Association was held in the lecture room of Charity Hospital Medical College May 5th, 1868.

Officers elected for the ensuing year: W. P. Horton, President; F. S. Whitslar, Vice President; H. L. Ambler, Recording Secretary; Chas. Buffett, Corresponding Secretary; J. E. Robinson, Treasurer; C. R. Butler, L. Buffett, Corydon Palmer, Examiners.

SUBJECTS FOR DISCUSSION.

Manipulation of gold foil in filling teeth.

Fillings of different metals approximating each other.

Use of the Mallet in Filling.

Improvements in Dental Mechanism.

The meeting lasted for two days of three sessions each.

The committee on dentifrices presented the following formula which was adopted: Prepared Chalk 6 oz. Cuttle Bone

1 oz. Peruvian Bark $\frac{1}{2}$ oz. Sugar 2 oz. Carmine and Oil Winter-green, ad libitum.

In regard to the Goodyear patent on vulcanite, Prof. J. Taft said: That our foe was not vanquished, that suits were still being carried on, and we must still fight them manfully. On motion it was decided that every member of this association who has given his note for contesting with the rubber company, is legally and morally bound to pay every assessment.

On motion, a committee was appointed to take the necessary measures to secure the incorporation of this society.

On motion, the Code of Ethics of the American Dental Association, was adopted.

Delegates to the American Dental Association, viz.: Chas. Buffett, B. F. Robinson, J. E. Robinson, F. S. Slosson. S. P. Huntington, C. H. Harroun, H. L. Ambler.

It was stated that one of our members had made estimates and given his opinion as to what the fees should be for dental operations, simply by looking at the bills rendered.

Dr. Butler said: The profession had great need of a Dental materia medica.

The association met in Youngstown, May 4-5, 1869.

Election of officers for the ensuing year: President, F. S. Whitslar; Vice President, L. Buffett; Recording Secretary, H. L. Ambler; Corresponding Secretary, C. Buffett; Treasurer, C. R. Butler.

Board of Examiners, L. Buffett, C. R. Butler, Corydon Palmer.

NOTES.

C. R. Butler read an essay on "Contour Fillings," which advocated new ideas worthy of imitation. J. F. Siddall read an essay on "The Dentist," which was somewhat novel.

"Extraction of the Teeth," was the subject of Corydon Palmer's essay.

An essay on "Dental Hygiene" was read by H. L. Ambler, and C. C. Carroll read one on "Alveolar Abscess."

Dr. Waye exhibited cases of rubber plates made after Dr. Stuck's patent, involving the use of metallic dies for vulcanizing upon.

H. L. Ambler was appointed a delegate at large, to European Dental Societies.

The association met in Cleveland May 3-4, 1870 and was called to order by President F. S. Whitslar.

ESSAYS.—Cast Metallic Base, J. F. Siddall; Atrophy, F. S. Slosson.

SUBJECTS FOR DISCUSSION.

Dental Quackery and its Remedies.

Diseases of the Gums and Alveolus and their Treatment.

Royal Varney brought some rubber-dam from New York and gave Drs. H. L. Ambler, C. R. Butler, and L. Buffett, each a piece, and at this meeting it was further introduced to the profession.

Several are using from No. 20 to 120 gold foil for fillings.

Officers elected for the ensuing year: President J. E. Robinson; Vice President E. J. Waye; Recording Secretary, Hial H. Newton; Corresponding Secretary, W. P. Horton; Treasurer, C. R. Butler.

The association met at Put-in-Bay, May 2-3, 1871 and was called to order by President J. E. Robinson.

SUBJECTS FOR DISCUSSION.

The proper treatment of children's teeth.

The benefits of a thorough dental education.

Diseases of the gums and alveolar process.

Heavy foils and heavy mallets.

NOTES.

The temporary teeth should be filled and retained as long as possible.

The roots of temporary teeth should not be filled with any hard material.

The cause of sensitiveness at the necks of teeth is owing to a change in the mucous follicles of the gums.

Forcing rubber dam down around the necks of the teeth produces inflammation.

Sulphuric acid applied to the bone once in two days is good treatment for necrosis.

The committee on Dental Ethics was dissolved.

Heavy foil can be more closely packed into a tooth than light foil.

Dr. Jennings likes No. 30 to 60 gold foil in small cavities in front teeth.

Dr. Newton thinks a four ounce iron mallet is the best. Different patients like different mallets.

Dr. Taft finds an eye-glass very useful in preparing and filling cavities. No injury can result to the eyes from its use.

Officers elected for the ensuing year: President, E. J. Waye, Vice President, J. F. Siddall, Recording Secretary, H. H. Newton; Corresponding Secretary, J. E. Robinson; Treasurer, C. Buffett.

Examining Committee: B. F. Robinson, D. R. Jennings, W. P. Horton.

Delegates to the American Dental Association: L. Buffett, E. J. Waye, D. R. Jennings, B. F. Robinson, R. R. Peebles, C. Buffett, C. R. Butler.

The Northern Ohio Dental Association met at Put-in-Bay, May 28-29-30, 1872 and was called to order by President E. J. Waye.

SUBJECTS FOR DISCUSSION.

In what cases should the dental pulp be destroyed, and best methods of preserving the same?

Diseases and Treatment of the Alveolus.

Artificial Dentures.

NOTES.

R. L. Evans feels some doubt as to saving the teeth when the nerve has been destroyed.

Rubber dissolved in bisulphide of carbon is used as a capping for exposed pulps.

A film of collodion followed with oxychloride of zinc is used for capping exposed pulps.

Dr. Spelman cited a case in which he removed the body of the pulp, leaving the nerve in the roots, put in a temporary filling which he removed later, and found the nerve in a healthy condition.

Dr. Knowlton uses rubber, with bisulphide of carbon as a capping for exposed pulps.

Celluloid is being used as a base for artificial teeth, also aluminum or gold with rubber attachment.

Clinics on third day.

Dr. Field filled a tooth with Leslie's crystalline gold.

This was the first meeting which lasted for three days.

Officers elected for the ensuing year: President, B. F. Robinson; Vice President, A. Terry; Recording Secretary, A. F. Price; Corresponding Secretary, L. Buffett; Treasurer, J. E. Robinson.

The Association met at Put-in-Bay, June 10-11, 1873, and was called to order by President B. F. Robinson.

SUBJECTS FOR DISCUSSION.

Relative value of the Cheaper Materials for Filling Teeth.

Neuralgia and pain of the Dental Tissues and Treatment.

NOTES.

Dr. Waye did not consider amalgam fit material for fillings. Five members considered tin foil the best material.

In children's first molars, the excessive mercury from amalgam filling will cause destruction of the nerve.

A tooth is less sensitive after rubber-dam is applied, because the pressure of the rubber tends to raise the tooth in its socket, partially paralyzing the nerve at the end of the root.

When a tooth-cavity is moist there is a current of electricity from the body of the operator to the tooth, but if the tooth is kept perfectly dry it becomes as much a non-conductor as so much ivory.

Corydon Palmer exhibited and explained the use of his fine instruments.

PAPERS.—E. J. Waye, Filling Materials. D. C. Hawxhurst, Constitutional Diathesis.

Officers elected for the ensuing year: President, S. P. Hildreth; Vice President, D. R. Jennings; Recording Secretary, C. B. Knowlton; Corresponding Secretary, Chas. Buffett; Treasurer, J. E. Robinson. All elected by acclamation.

The Association met at Put-in-Bay, June 9-10, 1874 and was called to order by President S. P. Hildreth.

ESSAYS.—E. J. Waye, Dental Ethics. F. W. Sage, Dental Ethics. S. P. Hildreth, The Education of the Dentist.

SUBJECTS FOR DISCUSSION.

The care of the teeth during the period of dental development.

Separating teeth preparatory to Filling.

Can fillings perfectly impervious to moisture be made with cohesive gold?

Dental ethics.

NOTES.

B. T. Spelman said it was wrong to use arsenic to destroy the pulp in temporary or permanent teeth. Carbolic acid followed with pepsin acts well.

All believe in filling and saving the temporary teeth so long as possible.

Delegates appointed to the American Dental Association: J. E. Phelps, F. W. Sage, John Stephan, E. J. Waye, A. G. Price, S. P. Hildreth, D. R. Jennings.

Officers elected for the ensuing year: President, E. J. Waye; Vice President, R. R. Peebles; Corresponding Secretary, C. Buffett; Recording Secretary, L. C. Kelsey; Treasurer, J. E. Robinson.

The association met at Put-in-Bay, June 8-9, 1875 and was called to order by President Waye.

SUBJECTS FOR DISCUSSION.

Dental caries—its causes.
What shall we do with amalgam?
Celluloid as a base for artificial teeth.
Dental Education.
Professional Etiquette.

NOTES.

In the state there are 103 graduates, 142 who have passed the Board of Examiners and have a certificate of qualification and 296 who have neither, 541 in all.

Consensus of opinion is that we cannot get along without amalgam.

Officers elected for the ensuing year: President, E. J. Wayne; Vice President, J. F. Siddall; Corresponding Secretary, C. Buffett, Recording Secretary, L. C. Kelsey; Treasurer, J. E. Robinson.

The association met at the office of D. R. Jennings in Cleveland, June 13-14, 1876 and was called to order by Vice President J. F. Siddall. (President E. J. Wayne being absent).

ESSAY.—Teeth of the Sandwich Islanders, J. M. Whitney.

SUBJECTS FOR DISCUSSION.

Treatment of exposed pulps.
Replanting and Transplanting Natural Teeth.
Methods and appliances for correcting Dental Irregularities.
The different Bases for Artificial Dentures.

NOTES.

Moved that the rule of the association requiring candidates to go before the board of examiners before being admitted, be suspended in case of Drs. Whitney, W. C. Stewart, E. E. Rodgers, J. W. Lyder, J. R. Bell, J. W. Burrell.

It was stated that this was the first time that the subject of Replanting and Transplanting Teeth had come before this association.

Dr. Knowlton said he had replanted forty teeth and a majority proved a success.

Alcohol is regarded as a specific for alveolar abscess.

J. W. Lyder had his upper left central extracted and replanted and it soon became serviceable.

J. E. Robinson uses gold or silver springs and bands for correcting irregularities. He demonstrated their use.

Dr. Buffett thought it was not advisable to move teeth when the pulp had been destroyed.

Celluloid as a base for mounting artificial teeth is recommended by the majority.

Husband's court plaster is used for capping pulps.

Exposed pulps are touched with nitric acid then neutralized with soda; capped and filling inserted.

Sometime after a tooth was replanted, caries occurred and in excavating for filling it was found to be sensitive, and the Dr. believes there was a reunion of the nerve.

The practice of extracting teeth to correct irregularities, is not advisable.

Officers elected for the ensuing year: President J. F. Siddall; Vice President, J. M. Whitney; Recording Secretary, L. C. Kelsey; Corresponding Secretary, J. Stephan; Treasurer, J. E. Robinson.

Board of Examiners: Drs. Hildreth, L. Buffett, F. S. Whitslar.

Executive Committee appointed by the president, J. E. Robinson, D. R. Jennings.

The association met in Cleveland, May 8-9, 1877 and was called to order by President, J. F. Siddall, at the Weddell house, corner Superior and Bank St.

SUBJECTS FOR DISCUSSION.

Treatment of Alveolar Abscess.

What can be accomplished for the arrest of Dental Caries either by local or general treatment, otherwise than by filling?

Extraction of the six-year molars, when indicated?

Filling Teeth, comparative value of different materials, and different methods of operating.

NOTES.

Dr. R.—. If I were asked by a patient what could be done for the arrest of decay in the teeth otherwise than by filling, I would say nothing unless the decay is very superficial.

Dr. S.—The mouth and teeth must be kept clean, and the fluids of the mouth restored to a normal condition.

An excess of either alkali or acid is injurious to the teeth.

F. S. Whitslar and Corydon Palmer say: Fill white chalky teeth with tinfoil.

Geo. L. Field—The electric mallet is preferable to any other.

C. Palmer describes his way of making clamps to keep rubber-dam on teeth.

Officers elected for the ensuing year: President, J. W. Lyder; Vice President, J. Stephan; Treasurer, J. E. Robinson; Recording Secretary, J. F. Siddall; Corresponding Secretary, F. S. Whitslar; Examiners: Drs. Hildreth, L. Buffett, F. S. Whitslar.

Executive Committee: J. E. Robinson and L. Buffett.

The association met in Elyria at the office of L. C. Kelsey, May 14-15, 1878 and was called to order by President J. W. Lyder.

ESSAYS.—Professional Duties of the Dentist, L. C. Kelsey.
Improvements in Dentistry, J. F. Siddall.

SUBJECTS FOR DISCUSSION.

Necrosis and Exfoliation of the Alveolar process, Causes and Treatment.

Chronic Inflammation and Tumefaction of the Gums, attended by recession of their margins from the necks of the teeth; causes and treatment.

Materials for and methods of Filling Teeth.

NOTES.

The proceedings occupy fourteen pages of the Register.

CLINICS.—Filling Teeth, occupied one afternoon; J. E. Robinson operated.

The reporter was paid \$2.25 for his services.

Treasurer's report shows \$22.85 on hand.

Officers elected for the ensuing year: President, J. W. Lyder; Vice President, J. F. Siddall; Corresponding Secretary, L. Buffett; Recording Secretary, L. C. Kelsey; Treasurer, J. E. Robinson.

The association met in Cleveland, May 13-14, 1879 and was called to order by President J. W. Lyder.

ESSAY.—Mechanical Dentistry, J. E. Robinson.

SUBJECTS FOR DISCUSSION.

The New Departure.

Mechanical Dentistry.

Prevention of Decay in Teeth.

Protracted Operations. Their effects upon the nervous system.

NOTES.

Gold foil is *the* filling material *now* and will continue to be.

Possibly there may be such advance made in plastic filling materials that in 20 years they may be in general use.

Dr Robinson.—The time is near when operative and mechanical dentistry will be separated into distinct branches. Continuous gum is the best for many cases, as it shows artistic skill.

A member was suspended for one year on account of unprofessional conduct.

Dr. Harvey.—Aluminum with rubber attachment pleases me.

Dr. Holbrook.—I often fill part of a cavity with oxychloride and complete with gold.

Dr. Buffett.—The third molars are fast becoming rudimentary teeth.

Silver Nitrate is used to prevent decay.

Tin foil is used as a filling material.

Money was raised for the Dr. J. N. McQuillen Testimonial.

Dr. Butler.—Building up crowns with gold has now become a moderate operation.

Officers elected for the ensuing year: President, J. W. Lyder; Vice President, J. S. Chandler; Corresponding Secretary, H. F. Harvey; Recording Secretary, L. C. Kelsey; Treasurer, J. E. Robinson. Delegates to American Dental Association: Drs. Butler, Buffett, Harvey, Lyder, Palmer. Examiners: Drs. Jennings, J. F. Siddall, D. Gibbons. Committee on Ethics: J. E. Robinson, L. Buffett, D. R. Jennings.

Executive Committee: L. Buffett, D. R. Jennings.

The association met in Akron, May 11-12, 1880 and was called to order by President J. W. Lyder.

ESSAY.—The Present Status of Filling Teeth, J. F. Siddall.

SUBJECTS FOR DISCUSSION.

Present Status of Filling Teeth.

Periodontitis—Cause, Prognosis, Treatment.

Tumors of the Mouth.

Cases in Practice.

NOTES.

The use of non-cohesive gold with cohesive is regarded with favor.

Kearsings gold foil is being used.

Dr. Douds: Nothing is as good as non-cohesive gold or tin foil. Prof. Watling, of Ann Arbor, Michigan, spoke of a case of periodontitis where the congested condition of the pulp was seen through the walls of the tooth by using a powerful magnifying glass.

A member was expelled for unprofessional conduct.

Clinics were held in Dr. Lyder's office. C. Palmer demonstrated his method of applying rubber dam and showed clamps of his own design.

C. R. Butler and J. W. Lyder gave clinics on filling teeth. Some use Kearsing's gold foil.

Officers elected for the ensuing year: President, Chas. Buffett; Vice President, J. G. Templeton; Corresponding Secretary, H. F. Harvey; Recording Secretary, L. C. Kelsey; Treasurer, J. E. Robinson.

The Association met in Cleveland at Cogswell's dental depot May 10-11, 1881, and was called to order by President C. Buffett.

Dr. Butler and Mr. Vance gave an exhibition of microscopical specimens.

Dr. Kitchen exhibited some interesting anatomical specimens.

Morning hours devoted to exhibition of instruments and appliances.

Officers elected for the ensuing year: President, Chas. Buffett; Vice President, E. E. Rogers; Recording Secretary, A. J. Douds; Corresponding Secretary, H. F. Harvey; Treasurer, J. E. Robinson.

Examiners—Drs. J. W. Lyder, J. R. Bell, D. R. Jennings.

Executive Committee.—Drs. Ambler, Robinson.

Delegates to American Dental Association.—H. L. Ambler, H. F. Harvey, Ira Brown, L. Buffett, J. W. Lyder, Corydon Palmer, E. J. Wayne, G. H. Wilson, A. J. Douds, E. W. Poole.

SUBJECTS FOR DISCUSSION.

Tumors of the mouth.

Eruption and subsequent treatment of deciduous teeth.

Treatment of exposed pulps.

Artificial crowns.

The Association met in Cleveland May 9-10, 1882, at the dental depot of Cogswell & Gee, and was called to order by President C. Buffett.

Essays:—C. R. Butler, "Filling Teeth With Gold."

E. J. Wayne, "Dental Prosthesis."

J. F. Siddall, "Tools via Metallurgy."

SUBJECTS FOR DISCUSSION.

Replanting and transplanting teeth.

Alveolar abscess.

NOTES.

Dr. Blount of Geneva advocates smooth ovoid faced pluggers for filling teeth with gold; he introduced the Pasteur filter into the U. S.

Celluloid used for mounting plain teeth.

Dr. Thomas believes operative should be separated from mechanical dentistry. The time is coming when the Michigan Dental College will require the student to make choice of either operative or prosthetic dentistry, and each department will teach its specialty exclusively.

Leave a small hole in shell crowns for the surplus cement to escape. Cut a hole in a piece of spunk; place it over end of root to keep it dry when setting a crown.

To test the purity of creasote mix it with alcohol; if pure it will not coagulate.

Dr. Thomas reported 500 cases of replantation of teeth, of which about one-half were failures.

Dr. Geo. Watt sent a request for a report of the meeting to be published in the Ohio State Journal. Dr. Watt personally made the first report of this society for the "Register" in 1857.

Election of officers for the ensuing year: President, Gale French; Vice President, E. W. Poole; Recording Secretary, A. J. Douds; Corresponding Secretary, H. F. Harvey; Treasurer, J. E. Robinson.

The Association met in Sandusky at the Sloane House May 8-9, 1883, and was called to order by President Gale French of Pittsburg, and prayer was offered by Rev. S. L. Osborn.

ESSAYS: Should the Operative and Prosthetic Departments of the Dental Art be separated? E. J. Waye.

Pulpitis, Geo. H. Wilson.

SUBJECTS FOR DISCUSSION.

Methods and materials for filling teeth.

Diseases of the Gums, causes and treatment.

NOTES.—The Bonwill electric mallet with the M. H. Webb attachment to regulate the blows, by which single strokes could be produced, was exhibited by Frank Creager. Dr. Field moved: That it is the sense of this meeting that the Operative and Prosthetic Departments of the Dental Art should be separated; it was lost, as only one vote was cast in the affirmative. Delegates to American Dental Association: Drs. Buffett, Butler, Lyder, Brown, Harvey, Waye, French, Whiteside, Stroud.

Officers elected for the ensuing year: President, Gale French; Vice President, Ira Brown; Corresponding Secretary, H. F. Harvey; Recording Secretary, G. H. Wilson; Treasurer, J. E. Robinson.

The Association met in Cleveland May 13-14, 1884, at the rooms of the Board of Education on Euclid Avenue (where the Citizens Savings and Trust building now stands) and was called to order by President Gale French.

ESSAYS: The Causes of Failures in Dental Operations by J. R. Bell, W. P. Horton, B. F. Gibbons.

Anaesthetics, Poem, by J. F. Siddall.

SUBJECTS FOR DISCUSSION.

Materials for Filling Teeth and How to Use Them.

Prosthetic Dentistry including Artificial Crowns.

Other subjects were proposed by members, and a quiz followed.

Corydon Palmer exhibited some splendidly prepared colored drawings showing his style and method of constructing and antagonizing partial and complete sets of artificial teeth.

Whereas, Dr. B. F. Robinson, one of the charter members of this Association, having earnestly and faithfully fulfilled his mission, and passed away to that bourne from which no traveler returns; therefore Resolved, that in his decease the Association has sustained the loss of a valuable and esteemed member, one whose memory will be cherished with feelings of the kindest respect, and that this expression of our regard be placed on record, and a copy be sent to the widow of the deceased. F. S. Whitsear, L. Buffett, J. W. Lyder, committee.

Dr. H. W. Arthur extended a cordial invitation to the members to attend the next meeting of the Odontological Society of Pennsylvania.

The Coffin split plate was recommended for reducing irregularities.

Officers elected for the ensuing year: President, Ira W. Brown; Vice President, D. Gibbons; Corresponding Secretary, H. F. Harvey; Recording Secretary, G. H. Wilson; Treasurer, C. Buffett.

The Association met at the Tod House in Youngstown, May 12-13, 1885, and was called to order by President Ira W. Brown.

PROGRAM.

Dental Hygiene, W. P. Horton.

Treatment of Diseased Teeth, Gums and Pulpes.

Pathology of Alveolar Abscess, by W. H. Whitslar.

Effects of Zymotic Diseases upon the Teeth, F. S. Whitslar.

Apthous Stomatitis vs. Mercurius Stomatitis, J. R. Bell.

Dr. Beatty of Akron exhibited his method of making rubber and celluloid dentures.

Expenses for this year \$9.60.

Officers elected for the ensuing year: President, D. Gibbons; Vice President, J. R. Bell; Corresponding Secretary, H. F. Harvey; Recording Secretary, Geo. H. Wilson; Treasurer, Charles Buffett.

The Association met in Cleveland, May 11-12, 1886, at Cogswell's dental depot and was called to order by President David Gibbons.

ESSAYS: Childrens Teeth, by J. F. Siddall.

How May We Raise the Standard of Appreciation of Dental Services? F. S. Whitslar.

SUBJECTS FOR DISCUSSION.

Diagnosis.

Different materials for, and the Methods of Filling Teeth.

Incidents of Office Practice.

NOTES.

A bicuspid irritated the cheek and made it sore, and a physician called it cancer.

Disease of the antrum treated for catarrh by an M. D.

Inflammation and swelling around lower wisdom tooth was pronounced mumps.

In approximating cavities in temporary teeth, fill and bridge across with gutta-percha.

Dr. B.: I do not fill pulpless temporary teeth.

Dr. H.: Gold and tin combined in equal quantities, then cut into strips, is a good filling material.

Fill occlusal cavity with tin, then drill into center of filling and fill with cohesive gold.

Dr. S. reported a case where he found a molar tooth in the antrum.

Dr. Whitslar: The time will soon come when none will be respected and patronized but the regular graduate; he also spoke of gold-lined rubber plates.

Officers elected for the ensuing year: President, J. R. Bell; Vice President, John Stephan; Recording Secretary, L. P. Bethel; Corresponding Secretary, S. B. Dewey; Treasurer, C. Buffett. Dr Stephan was appointed to receive subscriptions to help defray the expenses in the crown and bridge litigation.

The Association met in Cleveland at Cogswell's Dental Depot May 10-11, 1887, and was called to order by President J. R. Bell.

ESSAYS: The Relative Duty of Patient and Operator, J. W. Lyder.

Best Treatment for Buccal and Labial Cavities, J. E. Robinson.

Artificial Substitutes for Natural Teeth, Henry Barnes.

NOTES.

The papers and discussions were printed in the Ohio Journal of Dental Science and the Secretary pro tem, W. H. Whitslar removed them from a copy and pasted them into the Secretary's book.—good idea.

Extended discussion of tin, and tin and gold combined as filling materials.

Delos Palmer's clamps were recommended for use with rubber dam.

Platinum can be melted in seventeen seconds by using the oxyhydrogen blow pipe of Rollo Knapp.

The proceedings cover twenty-two pages of the Ohio Journal of Dental Science.

C. C. Carroll: I can make a perfect plate with cast aluminum, and can also solder it, and will now demonstrate it.

H. F. Harvey uses mineral wool such as is used for packing in steam pipes, in place of asbestos for mixing with plaster, thus producing a tough desirable combination; sufficient water is used to saturate the wool which retains enough water to mix the plaster. Mineral wool is made from the slag from iron furnaces.

A few members favor bridge-work.

Placed on retired list with privilege of the floor, B. Strickland, B. T. Spelman.

The Northern Ohio Dental Association, now in session, to the Illinois State Dental Society, at Jacksonville: Greeting—May your course in the paths of scientific achievement be onward and upward, and your history brilliant with noble accomplishment. J. R. Bell, President.

The Illinois State Dental Society, now in session, to the Northern Ohio Dental Association at Cleveland: Your fraternal greeting is received; we reciprocate the kind feeling expressed, and Illinois joins Ohio in her noble efforts to elevate the profession. W. T. Magill, President.

Officers elected for the ensuing year: President, Geo. H. Wilson; Vice President, H. F. Harvey; Recording Secretary, W. H. Whitslar; Corresponding Secretary, S. B. Dewey; Treasurer, Chas. Buffett.

The Northern Ohio Dental Association met at Painesville, in the Stockwell House, May 8-9, 1888, and was called to order by President G. H. Wilson. Papers read and discussed.

Therapeutical action of Obtundents, W. H. Whitslar.

Labial and Palatine Cavities—Cause and Mode of Preparation, and Filling Material, H. F. Harvey.

How Should Dental Societies be Conducted, L. P. Bethel.

Detrimental Effect on the Development of the Osseous System by the Present Method of Education, S. B. Dewey.

Clinic on Crowning, by J. R. Owens.

Officers elected for the ensuing year: President, H. F. Harvey; Vice President, F. H. Lyder; Recording Secretary, W. H. Whitslar; Corresponding Secretary, S. B. Dewey; Treasurer, Chas. Buffett.

The Association complied with a request from Miss Evans, and visited Lake Erie Seminary. The proceedings cover twenty-one pages of the Ohio Journal of Dental Science, and the Recording Secretary removed the matter from a copy of the Journal and pasted it in the Secretary's book.

The Association met in Cleveland, May 14, 15, 16, 1889, at

the Hollenden, and was called to order by President H. F. Harvey.

ESSAYS: Dental Electricity, F. S. Whitslar.

Modern Devices Adapted to the Wants of the Operator, J. W. Lyder.

Amalgam, its Uses and Abuses, J. R. Owens.

Dissemination of Knowledge of Dental Hygiene to the Masses, L. P. Bethel.

Royal Succedaneum, J. F. Siddall.

Is it our duty to give advice to mothers during gestation? J. R. Bell.

CLINICS: Filling a buccal cavity with tin, H. H. Newton.

C. R. Butler, Chas. Buffett, W. P. Horton and F. S. Whitslar were appointed a committee on resolutions respecting the death of Benj. Strickland.

Oil of sassafras or peppermint is recommended for a local anaesthetic.

Electricity was discussed as a motive power for pluggers, lathes, engines, and as a therapeutic agent for soft and hard tissues for the first time in this society. It was claimed that electricity could be applied to melt sulphur when using it for attaching Logan crowns.

Resolved, That we, members of the Northern Ohio Dental Association and all others interested in the protection of our rights against a combination similar to the Goodyear Vulcanite Company, and realizing that a company now exists similar to that in the International Tooth Crown Co. do hereby indorse the action of the Dental Protective Association and recommend concerted action in subscribing to the same.

The meeting was one of the largest ever held thus far. Dentists were present from various parts of the state.

Officers elected for the ensuing year: President, John Stephan; Vice President, F. S. Whitslar; Recording Secretary, F. F. Douds; Corresponding Secretary; S. B. Dewey; Treasurer, Chas. Buffett.

The Association met in Canton at the City Council Chamber, May 13, 14, 15, 1890, and was called to order by Vice President F. S. Whitslar.

ESSAYS: Combination Fillings, Their Value, and Where Indicated, C. R. Butler.

Prosthetic Dentistry of To-day, G. H. Wilson.

Care of Children's Teeth, A. J. Douds.

Put Yourself in His Place, John Stephan, read by S. B. Dewey.

CLINICS: Setting a Dewey Crown, H. F. Harvey.

Barnes Dental Matrix Clamp, Henry Barnes.

Approximal and Crown Filling with Gold, J. R. Bell.

Immediate Root Filling, J. R. Bell.

Contour Gold Filling with Electric Mallet, G. H. Wilson.

NOTES.

President John Stephan not being able to be present, a telegram was sent him viz: The Northern Ohio Dental Association sends greetings—salutation God bless you.

F. S. WHITSLAR, Vice Pres.

F. F. DOUDS, Rec. Sec.

Bills ordered paid \$6.81. When the Association met in Cleveland in 1905 the bills paid amounted to \$816.20.

For filling, some use cement covered with amalgam, others mix the cement and amalgam together before placing it in the cavity, others mix powdered glass or rubber filings with cement powder, then add the liquid for final mix.

Some are filling soft teeth with tin and gold folded in alternate layers, others use tin alone.

Continuous gum and rubber combination is spoken of.

A committee of five was appointed to attend the clinics and report to the society.

On invitation the society visited the Canton Surgical and Dental Chair Co.

Officers elected for the ensuing year: President, F. S. Whitslar; Vice President, F. H. Lyder; Corresponding Secretary, H. Barnes; Recording Secretary, F. F. Douds; Treasurer, Chas. Buffett.

The Association met in G. A. R. hall, Oberlin, May 12-13, 1891, and was called to order by President F. S. Whitslar.

ESSAYS.—Recurrence of Decay in Teeth, J. G. Templeton and F. S. Whitslar.

As We Go Marching On, J. F. Siddall.

The Sanitary Condition of the Mouth and How to Maintain It, J. F. Daugherty.

The Development of the Teeth, W. H. Whitslar.

Several clinics were given at J. F. Siddall's office.

Making Alloys, J. F. Siddall.

NOTES.

H. Barnes: I have seen four tin fillings in teeth in the mouth which were made by W. H. Atkinson fifty years ago.

Inflammation of the lungs may have a bad effect upon the teeth.

Resolutions of regard and regret were passed on the death of W. H. Atkinson and John Stephan.

Prof. Wright exhibited a stone mortar said to be 15,000 years old.

H. Barnes kodaked Drs. C. R. Butler, J. F. Siddall, C. Palmer and A. Terry.

Officers for the ensuing year: President, J. F. Siddall; Vice President, W. H. Whitslar; Corresponding Secretary, H. Barnes; Recording Secretary, H. G. Husted; Treasurer, C. Buffett.

Notice was given that May 15, 1891, would be the last day on which one can join the Dental Protective Association.

Moved and carried that the Corresponding Secretary be authorized to have printed the Constitution, By-Laws, Code of Ethics and Historical Report, and each member to be presented with one. The names, with the exception of charter members, to be left out, and that there be 300 copies printed before the next meeting.

Committee to prepare a history of the Association, Drs. Butler, Palmer, Horton, C. Buffett, J. F. Siddall.

Drs. Whitslar and Husted reported cases of replantation where the teeth were found to be alive sometime afterward.

Addresses of welcome were made by President Fairchild, Prof. G. F. Wright and Prof. Valentine of Oberlin College. The Association accepted with thanks the invitation of Prof. Fenelon Rice to attend a musical recital at Warren Hall.

The Oberlin Glee Club also favored the Association with many choice selections.

By the irrevocable decree of the Rules of the Universe the Northern Ohio Dental Association mourns the loss of one of its charter and honorary members, Wm. H. Atkinson, M. D., D. D. S., having departed this life April 2, 1891, in New York City; also John Stephan, D. D. S., an active member who died June 25, 1890, in Cleveland, O. In the decease of the former this society and the profession at large have lost one who was ever most keenly alive to the interests of the profession, and a pioneer and leader in the science and art of dentistry. In the death of the latter, this society loses one of its most active and conscientious members. C. R. Butler, J. F. Siddall, F. S. Whitslar, Chas. Buffett, H. Barnes, H. F. Harvey, Committee.

The Association met in Cleveland May 10, 11, 12, 1892, at the Hollenden, and was called to order by Pres. J. F. Siddall.

Essays.—Salivary Glands, W. H. Whitslar.

Syncope and Asphyxia, G. H. Wilson.

Plastics, J. E. Pnelps.

Diagnosis, J. R. Bell.

Crown and Bridge-work, Grant Mitchell; Chemistry as related to Dentistry, W. A. Siddall; Infection, H. L. Ambler. Some results of Early Extraction of the First Permanent Molar, W. B. Conner; Non-cohesive Gold and Tin, Corydon Palmer.

Queries were answered by F. S. Whitslar.

Several of above essays with discussion were published in Ohio Journal of Dental Science.

CLINICS.—Gold and Tin Fillings, S. B. Dewey, C. D. Peck; Tin Filling, W. H. Fowler; Treatment of Abscess (with fistula) and filling root canals, H. Barnes.

Committee on History was appointed.

A committee of three on necrology was appointed.

Expenses \$23.00.

The new Anaesthetic Pental was spoken of.

Election of officers for the ensuing year: President, W. H. Whitslar; Vice President, S. B. Dewey; Corresponding Secretary, H. Barnes; Recording Secretary, L. P. Bethel; Treasurer, Chas. Buffett.

Twenty-one members present.

The Association met in Akron at the Council Chamber May 9, 10, 11, 1893, and was called to order by President W. H. Whitslar.

PROGRAM.

President's address, Landmarks.

Chemistry of the Mouth, Geo. H. Wilson.

Artificial Crowns, D. A. Allen.

New Remedies and Their Application, L. P. Bethel.

Queries were answered by F. S. Whitslar.

Popular Dental Education, L. L. Barber; Non-cohesive Gold and Tin, Corydon Palmer; The Code of Ethics, W. T. Jackman; Hard Deposits Within the Pulp-cavity, S. B. Dewey; Prosthetic Dentistry, J. F. Stephan; Poem, The Weather, J. F. Siddall; Anaesthetics, J. R. Owens.

Is it a fact that the first permanent molar in particular, but also both the first and second molars are, as a rule, the first of the permanent set to decay; and does this occur in a majority of cases as early as from 12 to 15 years? If this be a fact what is the cause and how can it best be prevented? E. J. Wayne.

CLINICS.—A New Band Attachment for Bridge-work, and Tempering Instruments, Grant Mitchell.

NOTES.

Dentists who do not attend these meetings cannot realize what they miss; there are always instructive points brought out in the discussions and private conversation that do not get into the journals. If there are any who do not attend society meetings let them begin now, and also join and begin to work; it grows more fascinating every year.

Nineteen members present.

Moved and carried, that the Corresponding Secretary read what correspondence he had in regard to certain lost records of this society. H. Barnes complied, but the communications threw no light on the whereabouts of the missing records. Moved

and carried, that H. Barnes and J. E. Robinson be appointed a committee to confer with Gale French regarding the records.

Moved and carried, that W. H. Whitslar and J. E. Robinson be appointed as a committee to write, edit and compile such treatise on Popular Dental Education as they thought best, for distribution among patients, and submit the manuscript to the Executive Committee of this society for endorsement.

N. B. Acheson presented a tooth containing a perfectly calcified pulp.

Officers elected for the ensuing year. President, S. B. Dewey; Vice President, H. Barnes; Recording Secretary, F. W. Knowlton; Corresponding Secretary, J. F. Daugherty; Treasurer, C. Buffett.

Akron dentists entertained the members with a visit to the Akron Rubber Works, Barber Match Works, and Werner Peale printing establishment.

Moved and carried, that dental dealers be requested to close their doors during the sessions of the society.

The association met at the Beebe house, Put-in-Bay, June 19-20, 1894 and was called to order by President S. B. Dewey.

PROGRAM.

Injections for Painless Extraction, L. Buffett. Obtunding Sensitive Dentine, F. S. Whitslar. Correcting Irregularities of the Dental Arch, paper and demonstration with models, H. F. Harvey. Local Anaesthetics, L. E. Custer. Things New in Dentistry, H. Barnes. Paper by N. B. Acheson. Paper by G. H. Wilson, Dental Education. Paper, Downie Porcelain Work, supplemented with a clinic.

W. H. Whitslar, Syphilis.

Mr. Jones, the inventor of an electric obtundent made remarks pertaining thereto.

Henry Barnes reported that the special committee had been unsuccessful in getting any trace of the lost records of this society.

W. H. Whitslar exhibited a set of instruments designed for college students.

The J. C. Parker swager was spoken of.

J. W. Hisey reported a very interesting case of Hypertrophy of the gums; this case with illustrations and treatment has been placed in several text-books.

CLINIC.—W. T. Jackman, cast metal dentures.

The "Anesthetic Quartet" of Canton composed of W. L. Webster, Grant Mitchell, W. R. Reed, and Louis J. Blake, furnished music for the sessions.

Moved and carried, that this society disapprove the action or practice of any member in claiming to the people to use electricity or any other obtundent, without being willing to make

an open demonstration of the same to the society or an authorized committee of the society, as nothing less than this is justice to the public and profession.

Officers elected for the ensuing year: President, Henry Barnes; Vice President, J. F. Daugherty; Recording Secretary, F. W. Knowlton; Corresponding Secretary, L. L. Barber; Treasurer, C. Buffett.

Expenses \$21.25.

There was no regular meeting of the Association this year but an executive session was held at the time and place of the Tri-state Dental Society at the Russell House, Detroit, June 18, 1895.

The session was called to order by President H. Barnes.

Moved and carried, that the present officers hold over another year.

The president appointed the same committees as last year.

The Association met in Cleveland at the Hollenden, June 16, 17, 18, 1896, and was called to order by President H. Barnes.

PROGRAM.

President's address, H. Barnes.

Is it a fact that Dental caries is more prevalent in the left side of the mouth than the right? If so, why? F. S. Whitslar.

The Dental Pulp and its Treatment, W. A. Siddall.

The Proper Cleaning of the Teeth During Health, S. D. Potterf.

Disinfectants and Antiseptics, L. P. Bethel.

Prosthetic Dentistry, W. Buzzell.

Articulation of Artificial Teeth, D. A. Allen.

Pyorrhea Alveolaris, its Treatment Both Local and Systemic, J. W. Wible.

A Method of Implantation, E. B. Lodge.

Popular Dental Education, E. B. Lodge.

Report of a Case of Alveolar Abscess Opening Into the Antrum, Treatment and Cure, W. Buzzell.

Voluntary Papers, History, by J. F. Siddall.

Incidents of Office Practice.

CLINICS.—Combination Plate and Bridge Work, A. S. Condit.

Sixteen elected to membership.

H. Barnes, chairman of Committee on Lost Records, reported that none had been found. Committee discharged, and their expenses, \$10.00, paid.

Society visited the Cleveland rolling mills, and Union Steel Screw Works.

The Committee on History were instructed to look up the records of the society in the dental journals previous to 1872, the expense to be borne by the society.

CLINICS.—Bleaching Teeth by Cataphoresis, Henry Barnes.
Electric Appliances, L. E. Custer.
Anaesthetic Pencil, Frank Creager.

Obtunding Sensitive Dentin, by Cataphoresis, H. L. Ambler.
Swaging Plate (Parker Method), D. A. Allen.

Officers elected for the ensuing year: President, J. F. Daugherty; Vice President, L. P. Bethel; Recording Secretary, F. W. Knowlton; Corresponding Secretary, L. L. Barber; Treasurer, Chas. Buffett.

The Association met at the Beebe House, Put-in-Bay, June 15, 16, 17, 1897, and was called to order by President Daugherty.

PROGRAM.

The Matrix, E. B. Lodge.

Considerations Relating to the Loosening of Teeth, Hugh Mitchell.

Compulsory Prophylaxis with Industrial Aspect, S. D. Stewart.

The Lower Third Molar, W. H. Todd.

A Plea for the Dental Laboratory, G. H. Wilson.

Electro-therapeutics, W. A. Price.

Courtesy in Reference to Others Failures, F. D. Davis.

Root Treatment by Means of the Silver Salts and Cataphoresis, L. P. Bethel.

Bactericidal Action of Electricity, H. L. Ambler.

CLINICS.—Gold and Tin Fillings, W. B. Conner.

Crown Work, D. A. Allen.

Officers elected for the ensuing year: President, L. P. Bethel; Vice President, L. L. Barber; Corresponding Secretary, W. T. Jackman; Recording Secretary, F. W. Knowlton; Treasurer, W. H. Fowler.

H. Barnes reported that he and L. L. Barber had not found the lost records of this society.

Moved and carried that a vote of thanks be extended to Henry Barnes for a valuable gift in shape of a record book for the members.

History Committee, C. R. Butler, Corydon Palmer, C. Buffett, J. E. Robinson, J. W. Lyder.

There was no regular meeting of the Association this year but an executive session was held at the time and place of the Tri-state Dental Society, Hotel Victory, Put-in-Bay, June 21, 22, 23, 1898.

An assessment of \$1.00 per member was ordered.

G. H. Wilson, Henry Barnes and W. T. Jackman were appointed to revise the Constitution and By-Laws.

The present officers hold over for another year.

The Association met at the Colonial Hotel, Cleveland, May 16, 17, 18, 1899.

PROGRAM.

President's address, L. P. Bethel.

The Dentist in His Office, N. B. Acheson.

The World and its Teeth, W. H. Whitslar, (illustrated with stereopticon).

Paper of J. G. Templeton was read by W. T. Jackman.

Symposium:

Denture With Almost an Entire Upper Lip Made and Attached, F. S. Whitslar.

An Unerupted Cuspid, C. T. King.

A Case in Oral Surgery, D. E. Kelley.

Preparation of Proximal Cavities in Bicuspids and Molars, (demonstrated by models), J. K. Douglas.

Some Considerations Pertaining to the Filling of Teeth, F. W. Knowlton.

Use of X-rays in Dentistry, W. A. Price (demonstrated with apparatus).

CLINICS were given at the Dental Department Western Reserve University, 262 Prospect St., Bangor Building.

Symposium on Napkinning—C. R. Butler, A. Terry, J. W. Lyder, E. J. Wayne, H. Barnes, J. E. Robinson.

Symposium on Extraction of Lower Teeth.—W. H. Fowler, W. G. Ebersole, W. B. Connor, F. H. Waldron, L. W. Ballard, G. H. Wilson.

Cohesive Tin Foil Filling, (chair clinic) H. L. Ambler.

Tin Demonstration, Corydon Palmer.

Removing Gum Tissues from Partially Erupted Third Molars, J. R. Bell.

Revised Constitution and By-Laws were adopted.

Twenty-nine elected to membership.

Blackboard Demonstration on Constructing Crowns, H. B. Mitchell.

The Use of Incandescent Lamps to Control Dental Electrical Apparatus, W. H. Hersch.

Use of Sulphuric Acid in Canal Preparation, J. R. Callahan.

L. E. Custer — Case-Richmond Crowns, Practical Cases, J. F. Stephan.

Gold Plating, W. H. Hayden.

Process of Tipping Teeth by the Use of Solid Cusps, E. M. Cook.

Upper Plate (continuous gum) Using Custer Electric Furnace, W. T. Jackman.

W. G. Ebersole, Opening into the Antrum after Administering Nitrous Oxid.

H. Barnes, Gold Filling Under Water as Practiced by Dr. Davis.

Officers elected: President L. L. Barber; Vice President, F. W. Knowlton; Corresponding Secretary, W. T. Jackman; Recording Secretary, W. A. Siddall; Treasurer, D. A. Allen.

The Association met at the Colonial Hotel, Cleveland, June 5, 6, 7, 1900.

PROGRAM.

- Prayer, F. S. Whitslar.
President's address, L. L. Barber.
Diseases of the Peridental Membrane, Florence M. Taylor.
Two Prosthetic Cases in Practice, J. W. Green.
Quackery Real and Imaginary, G. Mitchell.
The Causes of Dental Abnormalities, F. L. Miles.
Treatment of Children's Teeth, G. H. Ormeroid.
Sterilization in Dental Practice, J. Bert George.
Professional Honesty, W. Buzzell.
Chemistry in Relation to Dental Science, E. B. Lodge.
Advantages in the Use of Crystal Mat Gold, N. H. Bishop.
The Repair of Failing Gold Fillings by the Use of Amalgam, C. B. Mower.
Duties We Owe to Our Patients, C. W. Purcell.
Reflex Lesions of the Oral Cavity Associated with Pregnancy, F. A. McCauley.
Some Thoughts on Practical Dentistry, T. S. Seeley.
The Significance of Facial Expression, H. B. Mitchell.
Individuality vs. Personal Requisition, M. C. Ramaley.
What Filling Materials Shall be Used to Best Serve Case in Hand, S. D. Potterf.
An Experience in Replantation, Harry L. King.
An Interesting Case in Practice, G. A. Kennedy.
Anaesthetics in Dentistry, A. E. Mann.
The Decay of the Teeth, L. L. Bosworth.
Some Reasons Why Teeth Should Not be Extracted in Youth, G. B. Williamson.
Pyorrhea Alveolaris, Grant Mitchell.
CLINICS.—Surgical, W. G. Ebersole.
Amalgam Filling, Using Flexible Matrix, C. D. Peck.
Rapid Process of Cutting a Cavity in an Artificial Tooth, F. D. Davis.
Tin Foil Filling—hand mallet used; Tin-gold Filling—hand mallet used, chair clinics, H. L. Ambler.
Wire Clamp, H. F. Harvey.
Orthodontia, Detailed Construction of a Stationary Anchorage Appliance, Varney E. Barnes.
Surgical Orthodontia, S. M. Weaver.
Removal of Gum Tissue From Unerupted Third Molars by Original Instruments, J. R. Bell.
Setting a Davis Crown, J. R. Owens.

Phagedenic Pericementitis, I. W. Brown.
A New Method of Making Regulating Appliances, W. A. Price.

Filling of Non-cohesive Gold, W. A. Siddall.
Compound Cavity Filled With Moss-fibre Gold, D. H. Ziegler.

Immediate Painless Removal of Pulps, G. W. Woodbury.
Combination of Amalgam and Cement as a Filling Material, H. C. Kenyon.

New Method of Shaping Plates to Dies, E. L. Patchin.
The Cleveland City Dental Society gave the guests a theatre party Thursday afternoon.

Officers elected for ensuing year: President, F. W. Knowlton; Vice President, J. F. Stephan; Corresponding Secretary, W. T. Jackman; Recording Secretary, W. A. Siddall; Treasurer, D. A. Allen.

On account of the Tri-State (Ohio, Michigan, Indiana) meeting at Indianapolis in June, the regular meeting of the Northern Ohio Association was postponed until June, 1902.

Officers hold over.

The Association met in Cleveland at the Dental Department of Western Reserve University, 262 Prospect St., June 9, 10, 11, 1902.

PROGRAM.

President's address, F. W. Knowlton.

A Method of Inserting Artificial Crowns, J. R. Owens.

Care of Deciduous Teeth, F. E. Renkenberger.

Compressed Air in Dentistry, B. E. Saunders.

The Greatness of Our Calling and of Life, J. F. Siddall.

Recreation and Exercise for Professional People, C. D. Peck.

Tin Foil; Some Considerations Concerning its Manipulation and its Merits in Saving Teeth, E. B. Lodge.

Dr. J. E. Clark and Dentistry of Fifty Years Ago, H. G. Husted.

Pain, W. H. Whitslar.

The Relation of the Dentist to the Physician and Specialist, E. H. Shannon.

Some Facts and Conclusions Respecting Erosion, H. Barnes.

Combating Pain in Dental Operations, W. G. Ebersole.

Technique of Applying Cataphoresis Successfully in Dentistry, W. A. Price.

G. F. Woodbury read a parody on "Gone with a Handsomer Man."

CLINICS.—Labial Clamps, J. W. Lyder.

Microscopical Specimens, F. W. Knowlton.

Mechanical Treatment of Fractures of Superior Maxilla, V. E. Barnes.

Filling Occlusal Cavities in a Molar with Non-cohesive Gold, C. W. Potter.

Cohesive gold fillings with smooth faced plugger, L. L. Bosworth.

Two Methods of Making Cusps for Gold Crowns, W. A. Siddall.

A Simple and Sightly Method of Crowning a Bicuspid, R. A. Dinsmore.

Vernon's Gold, W. B. Connor.

Contour Gold Filling in Anterior Tooth, F. F. Douds.

Symposium on Cataphoresis.

Symposium on Administration of Nitros Oxid.

Symposium on Filling Cavities Prepared Cataphoretically.

My Method of Pulp Extirpation by Pressure Anesthesia, N. B. Acheson.

Officers elected for the ensuing year: President, J. F. Stephan; Vice President, W. H. Fowler; Corresponding Secretary, W. T. Jackman; Recording Secretary, C. D. Peck; Treasurer, D. A. Allen.

The Association met in Cleveland at the Dental Department of Western Reserve University, 262 Prospect St., June 2, 3, 4, 1903, and was called to order by President J. F. Stephan.

PROGRAM.

President's address.

Observations Concerning a Dangerous Drug, with History of an Unusual Case, H. L. King.

My Method of Making a Bicuspid Crown, F. F. Chapman.

Erosion of the Teeth with Models of a Practical Case, W. Buzzell.

Cavity Preparation, H. C. Kenyon.

Anomalies of Second Dentition, J. W. Hisey.

Valuable Drugs in Dentistry, C. R. Baldwin.

Phosphor-necrosis, F. W. Knowlton.

Eyes, C. R. Butler.

Dont's in Porcelain Work, W. T. Reeves.

Preservation of the Dental Pulp, C. S. Smith.

The Ideal Crown and the Method of Making it, M. C. Ramaley.

The Executive Committee has power to appoint Research and Clinic Committee.

Proceedings cover 71 pages published in pamphlet with compliments of Dental Summary.

Thirty-five members of the Buffalo Dental Society were given a Tally-ho ride, and in the evening the Cleveland City Society tendered them a reception and banquet at the Hollenden Hotel.

Nineteen elected to membership.

Officers elected for the ensuing year: President, W. H. Fowler; Vice President, W. T. Jackman; Corresponding Secretary, W. G. Ebersole; Recording Secretary, C. D. Peck; Treasurer, D. A. Allen.

The Association met in Cleveland at the Dental Department of Western Reserve University, Bangor Building, 262 Prospect St., June, 1904, and was called to order by President W. H. Fowler.

PROGRAM.

President's address.

Dental Poverty, G. S. Junkerman.

Some Considerations Which Tend to Development of the Greatest Adhesion of Oxyphosphates, W. V. B. Ames.

Some Thoughts on How to Better Serve Our Patients, J. S. VanMeter.

The Duties and Responsibilities of the 20th Century Dentist, H. C. Brown.

What Shall We do With Our Neurasthenic Patients, C. C. Mottinger.

Our Method of Using Sulphuric Ether in Oral Surgery, W. H. Todd.

Extirpation of the Pulp Under Pressure Anesthesia, R. Ottolengui.

The Relief of Pain in Orthodontia, C. A. Hawley.

Occlusion and Mal-occlusion, Varney Barnes.

Forty-one clinics were given mostly by members viz: C. E. Line exhibited Dr. R. H. Smith's Original Steel Plugger Corrugator Serrator and Sharpener.

A. S. Condit, Condit's Removable Bridge.

W. V. B. Ames, The Working of Cements.

A. L. Parsons, Porcelain Inlay Combined with Gold for Anterior Proximal Surfaces.

I. W. Brown, Treatment of Abscess with Fistula.

L. L. Bosworth, Construction and Management of an Electric Furnace.

N. H. Bishop, Setting Posts for Retention of Gold Contours. E. B. Lodge, X Ray Pictures. W. A. Price, Combination of Cataphoric Instrument Electric Furnace and Gold Anneler Connected to Same Meter. J. R. Owens, Nitrous Oxid for Extracting. D. H. Ziegler, Nitrous Oxid and Oxygen for Extracting. J. R. Callahan, Tin and Gold in Definite Proportions. J. R. Bell, Removal of Concretions from Teeth With Instruments and Chemicals. J. W. McDill, J. M. Yahres, S. M. Weaver, F. F. Chapman, Cataphoresis. G. E. Bishop, The Davis Crown. T. H. Whiteside, Methods of Mounting Porcelain Crowns. F. L. Olds, Methods of Making a Half Cap. W. O. Speith, Points About Crown and Bridge Work. C. G.

Myers, The Knapp Crown. H. F. Harvey, R. A. Dinsmore, Porcelain Inlays. F. L. Miles, A Trick in Porcelain. Twenty-five exhibitors of dental goods, etc., were present.

Resolutions of deep regret were passed in reference to the death of Johnathan Taft.

Banquet at Hotel Euclid embracing members, guests and exhibitors.

Resolutions passed favoring the proper appointment and grading of Dental Surgeons in the army.

Sixty elected to membership.

Officers elected for the ensuing year: President, W. T. Jackman; Vice President, H. L. Ambler; Corresponding Secretary, W. G. Ebersole; Recording Secretary, C. D. Peck; Treasurer, D. A. Allen.

The Association met at the Gray's Armory, Cleveland, June 6, 7, 8, 1905.

PROGRAM.

Prayer, Rev. G. K. Morris.

President's address, W. T. Jackman.

Application of High Pressure Anaesthesia, C. G. Myers.

High Pressure Anaesthesia as Compared with Other Pain Preventing Methods, D. H. Ziegler.

The Evolution and Decay of the Tooth Brush, G. S. Junkerman.

Mistakes of the Country Dentists, R. D. Wallace.

Mistakes of the City Dentists, F. J. Spargur.

Professional Ethics, S. H. Guilford.

Two Sources of Tooth-life and Their Relative Importance, D. D. Smith, Philadelphia, Pa.

CLINICS.—Nitrous Oxid Anaesthesia in Removal of Adenoids and Tonsils, W. R. Lincoln.

Extraction of Teeth Under Prolonged Anaesthesia, with Nitrous Oxid and Oxygen Administered Through the Nose, C. K. Teter.

A New Anaesthetic, E. W. Dodez.

Showing Case Operated on Last Year for Deflected Septum of the Nose, R. D. Fry.

High Pressure Anaesthesia, W. E. Newcomb.

Pressure Anaesthesia, J. B. Sapp.

Gold Filling, Using High Pressure Anaesthesia in Preparing Cavity, C. M. Goodwin.

Method of Filling Proximal Cavities in Front Teeth, Upper and Lower without Wedging and Without Showing Gold. Instruments and Methods of Operating in "Oral Prophylaxis," presenting a Patient Together with Models Showing what Has Been Accomplished in the Treatment of Pyorrhea, D. D. Smith, Philadelphia, Pa.

- Tin and Gold Filling, W. A. Siddall.
 Annealed Tin with Gold, W. M. Megginson.
 Showing What Can be Done with Amalgam, P. O. Parsons.
 Gold and Amalgam Fillings Without Undercuts or Retain-
 ing Pits, H. W. Cole.
 All Porcelain Jacket Crowns, E. B. Spalding.
 Porcelain Inlays with Pyrometer Furnace, W. A. Price.
 A Positive Method in Manipulating Matrix for Inlay Work,
 F. S. Morrison.
 Porcelain Inlay, E. H. Shannon.
 Pressure in the Construction of Porcelain Crowns, C. S.
 Starkweather.
 Swaging with Moldine, Both the Matrix for Gold Inlay,
 and the Backings for Facings, J. K. Douglas.
 Technic of Gold Inlay, H. Barnes.
 Cavity Preparation, G. F. Woodbury.
 Occlusion of Seamless Gold Crowns, A. M. Coates.
 Some Uses of the Expansion Arch in Orthodontia, F. M.
 Casto.
 The Use of the Electric Current in Gold Soldering with Special
 Device for that Purpose, L. L. Bosworth.
 Some Skiagraphs Showing Value of the X-Ray in Dentis-
 try, E. B. Lodge.
 Support for Large Contour Fillings in Incisor Teeth, R. A.
 Suhr.
 Constructing Crowns and Bridges with the Over-top De-
 tachable Tooth, M. L. Loeb.
 Painless Operating by Use of Nitrous Gas and Oxygen, E.
 E. Chambers.
 Nervocidin as an Obtundent, J. W. Fairbanks.
 A Gold Shell Crown Placed on Broken Down Roots, W. S.
 Sykes.
 Some Tests as to the Comparative Strengths of Standard
 Vulcanite Rubbers, F. S. Manchester.
 Porcelain Jacket Crown, W. A. Nichols.
 A Perfect Plaster Impression by the Use of a Vulcanite
 Gutta-percha Impression Tray, J. D. Nelson.
 Good but Forgotten Methods of Articulation for Artificial
 Dentures, J. E. Phelps.
 Detachable Facings in Crown and Bridge-work, C. L.
 Frame.
 The Whiteside Crown, C. O. Brown.
 Waste Cotton Receiver, W. B. Tiffany.
 Simple Regulating Appliance, J. G. Wherry.
 Models Showing Cavities for Inlays.
 Extirpation of Pulp, Using Nitrous Oxid, W. I. Jones.
 Forty-four elected to membership.
 Resolved, that the election of new members be hereafter
 vested in the hands of the Executive Committee. Carried.

W. H. Whitslar moved, that the next president of this Association, H. L. Ambler, be requested to give a history of its organization and proceedings, instead of the usual presidential address. Carried.

Resolved, That the president appoint a committee of three to investigate the claim of C. G. Meyer to be called the originator of High Pressure Anaesthesia and the perfecter of the original instrument for its application, and to report to this body at its next annual meeting. Carried. Committee appointed consisted of G. F. Woodbury, H. Barnes, W. A. Siddall.

Officers elected for the ensuing year: President, H. L. Ambler; Vice President, J. R. Owens; Corresponding Secretary, D. H. Ziegler; Recording Secretary, J. K. Douglas; Treasurer, D. A. Allen.

The Association met at the Gray's Armory, Cleveland, June 5, 6, 7, 1906.

PROGRAM.

Prayer, Dr. C. R. Butler.

President's address, H. L. Ambler.

Cavity Preparation for Porcelain Inlays and the Construction of Matrices Therefor, J. Q. Byram.

Utility of Porcelain in Large Cavities, L. E. Custer.

Methods and Appliances for Bedside Dental Treatment, H. T. Smith.

Mental Influences in the Dental Office, W. H. Whitslar.

The Credulous Dentist, J. W. Van Doorn.

Mal occlusion of the Teeth, Involving the Mesio Distal Relation of the Dental Arches, F. M. Casto.

Gold Inlays, Henry Barnes.

There Comes a Time, J. F. Siddall.

CLINICS.—The Use of Nitrous Oxid in the Preparation of Sensitive Cavities, W. B. Connor.

Ames Cement, W. V. B. Ames.

Replaceable Teeth in Crown and Bridge Work, A. Bush.

Restoration of Fractured Portions of Roots in Crowning, W. O. Hulick.

Prophylaxis, J. W. Jungman.

Impacted Cuspid and its Treatment, Burt Abell.

Gold and Tin Filling, M. E. Fenton.

Orthodontia, L. P. Bethel.

Special Cavity Preparation for Porcelain Inlay Involving the Approximate Surface and Entire Incisal Edge, G. F. Woodbury.

Dental Medicine Bottles, G. B. Smith.

Removable Porcelain Bridge, H. R. C. Wilson.

Non-cohesive Gold Filling, A. K. Friend.

A Stunt in Amalgam, H. G. Husted.

Cleaning of Root Canals and Filling with Oxy-chlorid of Zinc, J. R. Owens.

Tin Filling, J. T. Newton.

Cutting and Filling Instruments of His Own Manufacture, C. R. Butler.

Method of Restoring Badly Decayed and Broken Down Molars and Bicuspid by Crowning with Gold Shell Crown, C. C. Mottinger.

High Pressure Anaesthesia, G. E. Bishop.

Crystallia and Fiber Gold Filling, W. H. Spalding.

A Partial Crown for Bicuspid Teeth, G. H. Ormond.

Backing of Facings and Flowing on a Heavy Cutting Edge Without Investing, S. E. Dyball.

Repairing Device for Large Gold Fillings in Devitalized Teeth, A. G. Donaldson.

Porcelain Crown Using the Howe Post, A. J. Husband.

Cavity Preparation for Porcelain Inlay, J. Q. Byram.

A New Swager, W. T. Binzley.

The Buzz Saw and the Monkey Wrench, W. M. Clawson.

Dental Radiographs, W. I. LeFevre.

The Technique of Taking Stereoscopic X-Ray Skiagraphs of the Maxillae, E. Ballard Lodge.

Exhibition of Cases Treated for Mechanical Abrasion, D. A. Allen.

Pressure Anaesthesia, W. T. Jackman.

Gold Inlay, Henry Barnes.

Pyrometer Operated by Expansion and Contraction of Pure Platinum, L. L. Bosworth.

Combination Orthodontia Appliances, Varney E. Barnes.

An Amalgam Crown, E. D. Phillips.

Removable Teeth in Bridge Work, J. W. Harris.

Tin Filling, W. D. Bissell.

Splint for Retaining Loose Teeth, W. H. Todd.

Inlay and Post Attachment for Fixed Bridge Work, W. R. Spieth.

Porcelain Furnace, L. E. Custer.

Tin and Gold Filling, E. H. Shannon.

Use of Rubber Dam in Formation of the Inlay Matrix, H. T. Smith.

Showing Matrices and Special Instruments for Removing Tissue Over Erupting Third Molars, J. R. Bell.

Prophylaxis, Ira W. Brown.

Removal of Impacted Lower Third Molar Under Nitrous Oxid Gas and Oxygen, C. K. Teter.

Number of exhibitors, forty-five.

W. H. Whitslar moved that H. L. Ambler be requested to complete the history of this society and have it published for distribution. Carried.

W. G. Ebersole moved that the report of the committee on the Myers resolution be taken from the table. Carried. Henry Barnes read a minority report. I. W. Brown moved that the majority report be accepted. Henry Barnes offered as an amendment that the minority report be substituted; amendment was lost; majority report was adopted.

The special committee appointed by the president of the Northern Ohio Dental Association in pursuance of the resolution adopted by this Association one year ago, beg leave to submit the following report. The duty of this committee was to investigate the claims of C. G. Myers of Cleveland, to be called the originator of High Pressure Anaesthesia, and the perfecter of the original instrument for its application. The twenty or more affidavits signed by well known and reliable practitioners of dentistry, furnished the committee greatly assisted in the work of investigation and leave no doubt in the minds of the committee that C. G. Myers' claim is well founded. For while there are various methods of applying the force, whether screw, ratchet or whatnot, there is only one point, the tapering needle, and the perfecting of this needle was the solution of the problem, the means by which it was possible to get the obtunding agent through the dentin, and the best way of applying the force to accomplish this was a secondary matter. After some investigation on this latter point the committee also feel satisfied that the perfecting of the original instrument rightly falls to C. G. Myers' credit. Therefore, in view of these facts, your committee takes pleasure in giving to C. G. Myers of Cleveland, the credit of originating high-pressure anaesthesia for the obtunding of sensitive dentin, and for perfecting the original instrument for its application. Signed, G. F. Woodbury, chairman, W. A. Siddall, June 5, 1906.

Minority report of committee to report on a claim of C. G. Myers relative to high-pressure anaesthesia. I beg leave to report as follows: To C. G. Myers is due, so far as my best knowledge and belief is concerned, the credit for originality in forcing cocaine solution through the tubuli into the tooth by aid of a syringe. Respectfully submitted, Henry Barnes.

Cleveland, O., June 6, 1906.

To the Secretary of the Northern Ohio Dental Association:

I wish to express in writing through you my gratitude and thanks to the committee appointed to investigate my claims as originator of High Pressure Anaesthesia and the perfecter of the original instrument for its application, and also to thank the members of the Northern Ohio Dental Association for their expression of confidence as shown by their vote.

Very sincerely,

C. G. MYERS.

San Diego, Cal., Aug. 13, 1906.

It was early in 1892 while practicing in Youngstown, O., that cocaine was attracting the attention of the profession that I conceived the idea that by pressing a solution of it against the dental pulp, desensitization of the dental nerves might become so pronounced as to allow of its painless removal. I procured a large sized St. Louis syringe with a gold nozzle and then drilled a small hole at the cervix of the tooth clear down to the pulp, next with a cone shaped bur counter-sunk the opening slightly. Having previously drawn into the syringe a thirty per cent solution of cocaine; fit the nozzle of the syringe tightly into the tapered opening and with strong force press the solution against the pulp for a few seconds, when the pulp would be so completely obtunded that it could be removed without pain. This is the plan I used on my first patient, and I painlessly removed the pulp. Lee S. Smith of Pittsburg wrote me over a year ago and I gave him instructions how to find the patient. In cases where the tooth was very sensitive and I could not drill clear to the pulp, I would countersink the hole and apply the pressure as above for half a minute, this would so desensitize the dentin that the hole could be drilled deeper and thus reach the pulp, when one more application would obtund the pulp and it could be easily removed. While I was explaining my process at the Northern Ohio Dental Association in 1902, a young man came to me several times and asked if I did not think it possible to obtund the pulp by pressure against the outside of the dentin? I replied that I hardly thought so, as the pressure would have to be so terrific that it would be impracticable; he seemed to think it could be done, and I am glad that it has. I never tried to get a patent on my process, preferring that the dental profession should have it free, and if any one did high-pressure anaesthesia prior to my doing it, I shall be glad to give them the credit.

N. B. ACHESON.

Twenty-four new members elected.

Officers elected for the ensuing year: President, J. R. Owens; Vice President, D. A. Allen; Corresponding Secretary, D. H. Ziegler; Recording Secretary, J. K. Douglas; Treasurer, W. A. Siddall.

In order to have harmonious history, the names of those withdrawn, dropped or expelled, have been omitted.

Number of members in 1857 was 36.

Number of members in 1906 was 451.

HONORARY MEMBERS.

1865 Jonathan Taft.	1887 W. H. Atkinson.
" W. S. Palmer.	" J. C. Whinery.
" J. A. Robinson.	" John Greenfield.
1872 C. C. Jenkins.	" H. M. Reid.
" C. R. Taft.	" J. M. Whitney.
" D. F. Knapp.	" Frank Sage.
" G. R. Thomas.	" G. Langsdorf.
" Geo. R. Field.	" Wm. B. Ingersoll.
1873 H. A. Smith.	1891 E. J. Waye.
" A. B. Robinson.	1905 D. D. Smith.
" E. M. Smith.	" S. H. Guilford.
1883 Henry Cowie.	" R. Ottolengui.
	1906 J. Q. Byram.

In Memoriam.

	Born. Died.		Born. Died.
Ambler, N. H.,	1824-1888	Kelsey, L. C.,	—1896
Atkinson, W. H.,	1815-1891	Merritt, Ebenezer,	1795-1864
Atkinson, J. E.		Newton, H. H.,	1825-1891
Bailey, C. P.		~~Peebles, R. R.~~	
Barrett, Ancil,	1816-1863	Pleasants, C. S.,	1805-1885
Bettie, S. S.,	—1886	Peterson, J. H.,	—1898
Buffett, Lewis,	1837-1901	Robinson, B. F.,	1809-1889
Burnham, S. B.,	—1905	Robinson, J. A.,	1812-1897
Chapman, Mason,	—1897	Robinson, W. F.,	1836-1867
Chidester, E.,	—1894	Shaw, E. S.,	—1895
Dickerson, M. I.		Slosson, F. S.,	1803-1887
Dunn, Wm. E.		Spelman, B. T.	
Greenfield, John		Stephan, John,	1849-1890
Gerould, J. E.		Stewart, S. D.,	—1900
Harris, A. A.		Strickland, Benj.,	1810-1889
Heise, O. N.,	—1906	Taft, Jonathan,	1820-1903
Huntington, S. P.,	1824-1892	Watt, Geo.,	1820—
Ingersoll, C. F.		Wark, J. F.,	—1906
Ingersoll, Luman C.		Waye, E. J.,	—1905
Ingersoll, Wm. B.		Welch, Chas.	
Jennings, D. R.,	1830-1897	Whinery, J. C.,	—1896
Knapp, D. F.		Willis, J. G.	

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Ambler, H.L.

Partial transactions of Northern
Ohio dental assoc., 1857-1906.

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